CIVIL TECH LABS
5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560 027
Ph: 080 - 41142867, Email: civiltechlabs@gmail.com

TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC road to widening portion cross roads at western side of Kondappa layout in Ward No. 02 of Yelahanka Sub Division.
Name of Agency	Sri. T. C. Shankarappa
Grade of Concrete	M-20
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 mm²
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	CC Work	18/01/2015	15/02/2015	28	8.18	470	**20.89**	**21.19**
2					8.20	475	**21.11**	
3					8.21	485	**21.56**	

Note:

1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the customer.

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS
5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560 027
Ph: 080 - 41142867, Email: civiltechlabs@gmail.com

TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC road to widening portion cross roads at western side of kondappa layout in Ward No. 02 of Yelahanka Sub Division.
Name of Agency	Sri. T. C. Shankarappa
Grade of Concrete	M-30
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 mm²
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	CC Work	21/01/2015	18/02/2015	28	8.20	710	**31.56**	**31.11**
2					8.18	690	**30.67**	
3					8.19	700	**31.11**	

Note:

1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the customer.

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560 027
Ph: 080 - 41142867, Email: civiltechlabs@gmail.com

TEST REPORT

TEST ON COARSE AGGREGATES 20mm ↓ Graded Ref:IS:383/2386

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC road to widening portion cross roads at western side of kondappa layout in Ward No. 02 of Yelahanka Sub Division.
Name of the Agency	Sri. T. C. Shankarappa
Date of Testing	16/01/2015
Specific Gravity	2.63
Water Absorption in %	0.32

IS Sieve Designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970 (Reaffirmed 2011)	Remarks
40	**100**	100	Satisfies the requirement
20	**98.4**	95-100	
10	**36.5**	25-55	
4.75	**7.9**	0-10	

Note:

1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the customer.

AE2 16/1 AK's

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS
5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560 027
Ph: 080 - 41142867, Email: civiltechlabs@gmail.com

TEST REPORT

TEST ON COARSE AGGREGATES 40mm ↓ Graded Ref IS 383/2386

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC road to widening portion cross roads at western side of kondappa layout in Ward No. 02 of Yelahanka Sub Division.
Name of the Agency	Sri. T. C. Shankarappa
Date of Testing	16/01/2015
Specific Gravity	2.67
Water Absorption in %	0.29

IS Sieve Designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970 (Reaffirmed 2011)	Remarks
80	100	100	Satisfies the requirement
40	97.2	95-100	
20	56.4	30-70	
10	23.7	10-35	
4.75	3.5	0-5	

Note:

1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the customer.

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS
5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560 027
Ph: 080 - 41142867, Email: civiltechlabs@gmail.com

TEST REPORT

TEST ON FINE AGGREGATES Ref:IS:383/2386

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC road to widening portion cross roads at western side of kondappa layout in Ward No. 02 of Yelahanka Sub Division.
Name of the Agency	Sri. T. C. Shankarappa
Date of Testing	16/01/2015
Specific Gravity	2.56

Sample	IS Sieve designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970				Grading Zone
			ZONE-I	ZONE-II	ZONE-III	ZONE-IV	
River Sand	10	**100**	100	100	100	100	II
	4.75	**98.4**	90-100	90-100	90-100	95-100	
	2.36	**85.2**	60-95	75-100	85-100	95-100	
	1.18	**76.3**	30-70	55-90	75-100	90-100	
	0.6	**45.8**	15-34	35-59	60-79	80-100	
	0.3	**23.4**	5-20	8-30	12-40	15-50	
	0.15	**8.7**	0-10	0-10	0-10	0-15	

Note:

1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples suppliedl by the customer.

Lab Incharge
Civil Tech labs

CIVIL TECH LABS
5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560 027
Ph: 080 - 41142867, Email: civiltechlabs@gmail.com

TEST REPORT

TEST ON CEMENT

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC road to widening portion cross roads at western side of kondappa layout in Ward No. 02 of Yelahanka Sub Division.
Name of the Agency	Sri. T. C. Shankarappa
Date of Testing	16/01/2015

Tests	Test Method As Per IS & Apparatus		Results		Requirements As Per IS 8112:1989	Remarks
	IS Code	Method	Value	Unit		
Initial Setting Time	IS-4031 (Part-5) 1988	VICAT	52	min	Not Less Than 30 Minutes	Satisfies Requirement
Final Setting Time	IS-4031 (Part-5) 1988	VICAT	484	min	Not More Than 600 Minutes	Satisfies Requirement
Soundness	IS-4031 (Part-3) 1988	LE-CHATELIER	3	mm	Not More Than 10 mm	Satisfies Requirement

Note:
1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the client.

Lab Incharge
Civil Tech Labs

AE 2
16/1
AEE

CIVIL TECH LABS
5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560 027
Ph: 080 - 41142867, Email: civiltechlabs@gmail.com

TEST REPORT

TESTS ON REINFORCEMENT STEEL BARS 8mm

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC road to widening portion cross roads at western side of kondappa layout in Ward No. 02 of Yelahanka Sub Division.
Name of the Agency	Sri. T. C. Shankarappa
Date of Testing	16/01/2015

Sl.No.	Description	Result	IS 1786-1985 Min. Requirements	Remarks
1	Measured Diameter mm	8	8	Satisfactory
2	Wt/m Length (Kg/m)	0.396	0.395	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	14.7	14.5	Satisfactory
5	Yield Stress(N/mm^2)	418	415	Satisfactory
6	U T S (N/mm^2)	523	485	Satisfactory

Note:
1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the client.

AE2
16/1
AE5

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560 027
Ph: 080 - 41142867, Email: civiltechlabs@gmail.com

TEST REPORT

TEST ON REINFORCEMENT STEEL BARS 10mm

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC road to widening portion cross roads at western side of kondappa layout in Ward No. 02 of Yelahanka Sub Division.
Name of the Agency	Sri. T. C. Shankarappa
Date of Testing	16/01/2015

Sl.No.	Description	Result	IS 1786-1985 Min. Requirements	Remarks
1	Measured Diameter mm	10	10	Satisfactory
2	Wt/m Length (Kg/m)	0.618	0.617	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	14.8	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	424	415	Satisfactory
6	U T S (N/Sq.mm)	530	485	Satisfactory

Note:

1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the client.

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS
5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560 027
Ph: 080 - 41142867, Email: civiltechlabs@gmail.com

TEST REPORT

TEST ON REINFORCEMENT STEEL BARS 16mm

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC road to widening portion cross roads at western side of kondappa layout in Ward No. 02 of Yelahanka Sub Division.
Name of the Agency	Sri. T. C. Shankarappa
Date of test	16/01/2015

Sl.No.	Description	Result	IS 1786-1985 Min. Requirements	Remarks
1	Measured Diameter mm	16	16	Satisfactory
2	Wt/m Length (Kg/m)	1.59	1.58	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	15.1	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	429	415	Satisfactory
6	U T S (N/Sq.mm)	536	485	Satisfactory

Note:
1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the client.

AE-2
16/1
AEE

Lab Incharge
Civil Tech Labs